

0590  
0403

#2



OIPE

RAW SEQUENCE LISTING

DATE: 04/09/2002

PATENT APPLICATION: US/10/043,573

TIME: 11:23:15

Input Set : N:\Crf3\RULE60\10043573.raw

Output Set: N:\CRF3\04092002\J043573.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Lemieux, Bertrand

6 Landry, Benoit S.

7 Sapolsky, Ronald J.

9 (ii) TITLE OF INVENTION: Brassica Polymorphisms

12 (iii) NUMBER OF SEQUENCES: 173

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: Townsend and Townsend and Crew LLP

16 (B) STREET: Two Embarcadero Center, Eighth Floor

17 (C) CITY: San Francisco

18 (D) STATE: California

19 (E) COUNTRY: USA

20 (F) ZIP: 94111-3834

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Diskette

24 (B) COMPUTER: IBM Compatible

25 (C) OPERATING SYSTEM: DOS

26 (D) SOFTWARE: FastSEQ for Windows Version 2.0

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/10/043,573

C--> 30 (B) FILING DATE: 09-Jan-2002

31 (C) CLASSIFICATION:

33 (vii) PRIOR APPLICATION DATA:

35 (A) APPLICATION NUMBER: US/08/813,507

36 (B) FILING DATE: 07-MAR-1997

38 (A) APPLICATION NUMBER: US 60/032,069

39 (B) FILING DATE: 02-DEC-1996

41 (viii) ATTORNEY/AGENT INFORMATION:

42 (A) NAME: Liebeschuetz, Joe

43 (B) REGISTRATION NUMBER: 37,505

44 (C) REFERENCE/DOCKET NUMBER: 018547-030100US

46 (ix) TELECOMMUNICATION INFORMATION:

47 (A) TELEPHONE: 415 576-0200

48 (B) TELEFAX: 415 576-0200

49 (C) TELEX:

52 (2) INFORMATION FOR SEQ ID NO: 1:

54 (i) SEQUENCE CHARACTERISTICS:

55 (A) LENGTH: 41 base pairs

56 (B) TYPE: nucleic acid

57 (C) STRANDEDNESS: single

58 (D) TOPOLOGY: linear

61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

ENTERED

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63 TCAAAACTAA TATTTCTTTT GTTGATTGGT AATAAACAGG T 41
65 (2) INFORMATION FOR SEQ ID NO: 2:
67 (i) SEQUENCE CHARACTERISTICS:
68 (A) LENGTH: 41 base pairs
69 (B) TYPE: nucleic acid
70 (C) STRANDEDNESS: single
71 (D) TOPOLOGY: linear
74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
76 TCAAAACTAA TATTTCTTTT CTTGATTGGT AATAAACAGG T 41
78 (2) INFORMATION FOR SEQ ID NO: 3:
80 (i) SEQUENCE CHARACTERISTICS:
81 (A) LENGTH: 20 base pairs
82 (B) TYPE: nucleic acid
83 (C) STRANDEDNESS: single
84 (D) TOPOLOGY: linear
87 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
89 TTGATTATAW AGAAAACAAC 20
91 (2) INFORMATION FOR SEQ ID NO: 4:
93 (i) SEQUENCE CHARACTERISTICS:
94 (A) LENGTH: 20 base pairs
95 (B) TYPE: nucleic acid
96 (C) STRANDEDNESS: single
97 (D) TOPOLOGY: linear
100 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
102 TTGATTATAW AGAAAAGAAC 20
104 (2) INFORMATION FOR SEQ ID NO: 5:
106 (i) SEQUENCE CHARACTERISTICS:
107 (A) LENGTH: 20 base pairs
108 (B) TYPE: nucleic acid
109 (C) STRANDEDNESS: single
110 (D) TOPOLOGY: linear
113 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
115 TGATTATAAW GAAAACAACT 20
117 (2) INFORMATION FOR SEQ ID NO: 6:
119 (i) SEQUENCE CHARACTERISTICS:
120 (A) LENGTH: 20 base pairs
121 (B) TYPE: nucleic acid
122 (C) STRANDEDNESS: single
123 (D) TOPOLOGY: linear
126 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
128 TGATTATAAW GAAAAGAACT 20
130 (2) INFORMATION FOR SEQ ID NO: 7:
132 (i) SEQUENCE CHARACTERISTICS:
133 (A) LENGTH: 20 base pairs
134 (B) TYPE: nucleic acid
135 (C) STRANDEDNESS: single
136 (D) TOPOLOGY: linear
139 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
141 GATTATAAAS AAAACAATA 20

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143 (2) INFORMATION FOR SEQ ID NO: 8:
145     (i) SEQUENCE CHARACTERISTICS:
146         (A) LENGTH: 20 base pairs
147         (B) TYPE: nucleic acid
148         (C) STRANDEDNESS: single
149         (D) TOPOLOGY: linear
152     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
154 GATTATAAAS AAAAGAACTA                                     20
156 (2) INFORMATION FOR SEQ ID NO: 9:
158     (i) SEQUENCE CHARACTERISTICS:
159         (A) LENGTH: 20 base pairs
160         (B) TYPE: nucleic acid
161         (C) STRANDEDNESS: single
162         (D) TOPOLOGY: linear
165     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
167 ATTATAAAGW AAACAATAA                                     20
169 (2) INFORMATION FOR SEQ ID NO: 10:
171     (i) SEQUENCE CHARACTERISTICS:
172         (A) LENGTH: 20 base pairs
173         (B) TYPE: nucleic acid
174         (C) STRANDEDNESS: single
175         (D) TOPOLOGY: linear
178     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
180 ATTATAAAGW AAAGAACTAA                                     20
182 (2) INFORMATION FOR SEQ ID NO: 11:
184     (i) SEQUENCE CHARACTERISTICS:
185         (A) LENGTH: 20 base pairs
186         (B) TYPE: nucleic acid
187         (C) STRANDEDNESS: single
188         (D) TOPOLOGY: linear
191     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
193 TTATAAAGAW AACAACTAAC                                     20
195 (2) INFORMATION FOR SEQ ID NO: 12:
197     (i) SEQUENCE CHARACTERISTICS:
198         (A) LENGTH: 20 base pairs
199         (B) TYPE: nucleic acid
200         (C) STRANDEDNESS: single
201         (D) TOPOLOGY: linear
204     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
206 TTATAAAGAW AAGAACTAAC                                     20
208 (2) INFORMATION FOR SEQ ID NO: 13:
210     (i) SEQUENCE CHARACTERISTICS:
211         (A) LENGTH: 20 base pairs
212         (B) TYPE: nucleic acid
213         (C) STRANDEDNESS: single
214         (D) TOPOLOGY: linear
217     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
219 TATAAAGAAW ACAACTAACC                                     20
221 (2) INFORMATION FOR SEQ ID NO: 14:

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223      (i) SEQUENCE CHARACTERISTICS:
224          (A) LENGTH: 20 base pairs
225          (B) TYPE: nucleic acid
226          (C) STRANDEDNESS: single
227          (D) TOPOLOGY: linear
230      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
232  TATAAAGAAW AGAACTAACC                                20
234  (2) INFORMATION FOR SEQ ID NO: 15:
236      (i) SEQUENCE CHARACTERISTICS:
237          (A) LENGTH: 20 base pairs
238          (B) TYPE: nucleic acid
239          (C) STRANDEDNESS: single
240          (D) TOPOLOGY: linear
243      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
245  ATAAAGAAW CAACTAACCA                                20
247  (2) INFORMATION FOR SEQ ID NO: 16:
249      (i) SEQUENCE CHARACTERISTICS:
250          (A) LENGTH: 20 base pairs
251          (B) TYPE: nucleic acid
252          (C) STRANDEDNESS: single
253          (D) TOPOLOGY: linear
256      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
258  ATAAAGAAW GAACTAACCA                                20
260  (2) INFORMATION FOR SEQ ID NO: 17:
262      (i) SEQUENCE CHARACTERISTICS:
263          (A) LENGTH: 20 base pairs
264          (B) TYPE: nucleic acid
265          (C) STRANDEDNESS: single
266          (D) TOPOLOGY: linear
269      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
271  TAAAGAAAAS AACTAACCAT                                20
273  (2) INFORMATION FOR SEQ ID NO: 18:
275      (i) SEQUENCE CHARACTERISTICS:
276          (A) LENGTH: 20 base pairs
277          (B) TYPE: nucleic acid
278          (C) STRANDEDNESS: single
279          (D) TOPOLOGY: linear
282      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
284  AAAGAAAACW ACTAACCATT                                20
286  (2) INFORMATION FOR SEQ ID NO: 19:
288      (i) SEQUENCE CHARACTERISTICS:
289          (A) LENGTH: 20 base pairs
290          (B) TYPE: nucleic acid
291          (C) STRANDEDNESS: single
292          (D) TOPOLOGY: linear
295      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
297  AAAGAAAAGW ACTAACCATT                                20
299  (2) INFORMATION FOR SEQ ID NO: 20:
301      (i) SEQUENCE CHARACTERISTICS:

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302      (A) LENGTH: 20 base pairs
303      (B) TYPE: nucleic acid
304      (C) STRANDEDNESS: single
305      (D) TOPOLOGY: linear
308      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
310      AAGAAAACAW CTAACCATTA                                20
312      (2) INFORMATION FOR SEQ ID NO: 21:
314      (i) SEQUENCE CHARACTERISTICS:
315      (A) LENGTH: 20 base pairs
316      (B) TYPE: nucleic acid
317      (C) STRANDEDNESS: single
318      (D) TOPOLOGY: linear
321      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
323      AAGAAAAGAW CTAACCATTA                                20
325      (2) INFORMATION FOR SEQ ID NO: 22:
327      (i) SEQUENCE CHARACTERISTICS:
328      (A) LENGTH: 20 base pairs
329      (B) TYPE: nucleic acid
330      (C) STRANDEDNESS: single
331      (D) TOPOLOGY: linear
334      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
336      AGAAAACAAS TAACCATTAT                                20
338      (2) INFORMATION FOR SEQ ID NO: 23:
340      (i) SEQUENCE CHARACTERISTICS:
341      (A) LENGTH: 20 base pairs
342      (B) TYPE: nucleic acid
343      (C) STRANDEDNESS: single
344      (D) TOPOLOGY: linear
347      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:
349      AGAAAAGAAS TAACCATTAT                                20
351      (2) INFORMATION FOR SEQ ID NO: 24:
353      (i) SEQUENCE CHARACTERISTICS:
354      (A) LENGTH: 20 base pairs
355      (B) TYPE: nucleic acid
356      (C) STRANDEDNESS: single
357      (D) TOPOLOGY: linear
360      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:
362      GAAAACAACW AACCATTATT                                20
364      (2) INFORMATION FOR SEQ ID NO: 25:
366      (i) SEQUENCE CHARACTERISTICS:
367      (A) LENGTH: 20 base pairs
368      (B) TYPE: nucleic acid
369      (C) STRANDEDNESS: single
370      (D) TOPOLOGY: linear
373      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:
375      GAAAAGAACW AACCATTATT                                20
377      (2) INFORMATION FOR SEQ ID NO: 26:
379      (i) SEQUENCE CHARACTERISTICS:
380      (A) LENGTH: 20 base pairs

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/043,573

DATE: 04/09/2002

TIME: 11:23:16

Input Set : N:\Crf3\RULE60\10043573.raw

Output Set: N:\CRF3\04092002\J043573.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]